

CLAIMS

1. A flute consisting of

i) a hollow resonator tube, which is open at both ends and
5 which is provided with finger holes and keys, and

ii) a hollow blow tube provided with a mouthpiece, which is
open at both ends, wherein said blow tube can be coupled to the
resonator tube with its open end located furthest away from the
mouthpiece by means of a closing unit that can be fitted in the blow
10 tube,

which closing unit is composed at least of a closing
element provided with a central passage for placement round a support
pin positioned on the longitudinal axis of the blow tube, which
support pin is at least partially provided with screw thread that is
15 to mate with a screw cap, which can be mounted round the open end of
the blow tube located closest to the mouthpiece, said support pin
being provided with a longitudinal bore, which longitudinal bore
terminates in an open support pin end that mates with the screw cap,
characterized in that the passage is closed by an end plate mounted on
20 the shaft end that faces towards the mouthpiece, the outer
circumference of which end plate is substantially equal to the inner
dimension of the blow tube.

2. A flute according to claim 1, **characterized in that** a
circular groove is present in the circumferential edge of the end
25 plate, in which groove a sealing ring that abuts against the inner
wall of the blow tube can be fitted.

3. A flute according to claim 1 or 2, **characterized in that**
the screw cap is provided with an internally threaded through bore,
which bore is to mate with the support pin.

30 4. A flute according to claim 3, **characterized in that** the
bore in the screw cap can be closed by means of a screw.

5. A flute according to any one or more of the preceding claims, **characterized in that** the screw cap comprises a circumferential flange extending into the open end of the blow tube located furthest away from the mouthpiece, which circumferential
5 flange has a tapered diameter.

6. A flute according to any one or more of the preceding claims, **characterized in that** a resonator element can be placed on the support pin, which resonator element is provided with a central passage for placement round the support pin, said resonator element
10 having at least one closable cavity.

7. A flute according to claim 6, **characterized in that** the resonator element has an external dimension which is smaller than the internal dimension of the cylindrical blow tube.

8. A flute according to claim 6 or 7, **characterized in that**
15 the resonator element is composed of at least one cap-shaped element.

9. A flute according to claim 8, **characterized in that** said cap-shaped element is provided with a circumferential edge, which can be supported against the end plate.

10. A flute according to claim 8, **characterized in that** the
20 resonator element is built up of two cap-shaped elements, which are supported against one another via their circumferential edges.

11. A flute according to any one or more of the claims 6-10, **characterized in that** the surface of the support pin that is exposed to the closed cavity is larger than the surface of the support pin
25 that is in contact with the resonator element.

12. A flute according to claim 11, **characterized in that** the surface of the support pin that is exposed to the closed cavity is significantly larger than the surface of the support pin that is in contact with the resonator element.

13. A flute according to claim 11 or 12, **characterized in that** the surface of the support pin that is in contact with the

resonator element is a line surface.

14. A flute according to any one or more of the claims 6-13, **characterized in that** the resonator element has a weight ranging between 0.5 and 5 grams.

5 15. A flute according to claim 14, **characterized in that** the resonator element has a weight ranging between 1 and 1.5 grams.

16. A blow tube as defined in any one or more of the claims 1-15.

10 17. A closing unit as defined in any one or more of the claims 1-15.

18. A support pin as defined in any one or more of the claims 1-15.

19. A screw cap as defined in any one or more of the claims 1-15.

15 20. A resonator element as defined in any one or more of the claims 6-15.